WATER AND FLUID ANALYSIS

Precision, Specialty and Innovation

CONDUCTIVITY, TDS METER WITH EXCEL-FORMATTED DATA LOGGING SD CARD

Accurately measures any solution's conductivity, total dissolved solids (TDS), salt content and temperature.

DCT430SD
Patented

Included Accessories:
- Hard carrying case
- Combination conductivity/TDS/salt probe (P/N CDPB03)
- 2 GB SD memory card
- User's manual

FEATURES

- Includes 3-parameter probe
- Conductivity measurement automatically compensated for temperature
- Min/Max memory + data hold
- Big (2.5 in. diagonal) front-panel green backlit LCD is easy to read
- Auto power off function

SPECIFICATIONS

- ♦ Display: 2.05 x 1.5 in. (52 x 38mm) LCD
- ♦ Probe Type: Carbon rod electrode
- ♦ Parameters measured: Conductivity, TDS, salt content, temperature
- ♦ Measurement Ranges:
  - For conductivity: 0 to 200 mS over four ranges
  - For TDS: 0 to 132,000 ppm over four ranges
  - For salt: 0 to 12%
  - For temperature: 32° to 140°F (0° to 60°C)
- ♦ Measurement Accuracy:
  - For conductivity: ±2% of full-scale reading +1 digit, TDS
  - For temperature: ± 0.8°C/± 1.5°F
  - For salt: ±0.5% of value
- ♦ Temperature Compensation:
  - Automatic from 32° to 140°F (0° to 60°C)
  - Temperature compensation factor is manually variable from 0 to 5% per degree Celsius
- ♦ Storable/Recallable Readings: Maximum, minimum
- ♦ Data Logging Sampling Time: 1 second to 9 hours
- ♦ Settable parameters: Date, time, auto power off, beep sound, sampling time, decimal point or comma decimal division, temperature unit, temperature compensation level
- ♦ Operating Temperature:
  - 32° to 122°F (0° to 50°C) for meter
  - 32° to 140°F (0° to 60°C) for probe
- ♦ Operating Relative Humidity: 0 to 85%
- ♦ Dimensions of Meter: 6.97 x 2.68 x 1.77 in. (177 x 68 x 45mm)
- ♦ Weight of Meter: 1.08 lb. (489g)
- ♦ Dimensions of Probe: 0.86 in. (diameter) x 4.72 in. (L) (22mm x 120mm)
- ♦ Power Source: 6 "AA" batteries or optional 9-VDC AC adapter

UPC	NO.	
01457 8	**DCT430SD**	
01545 2	**PCT430SD**	Replacement Probe

Optional Accessories:

01506 3	**AC1**	9VDC adapter for 110V power supply
01502 5	**SDRD1**	SD Card Reader

DIGITAL CONDUCTIVITY METER

Ideal for field checks of water-based solutions.

CE RoHS
DCM4300

FEATURES & SPECIFICATIONS

- Includes CP4300 conductivity probe
- Also accepts optional CTOP2001 conductivity/TDS probe
- Measures conductivity from 0 to 20 mS over two ranges
- Jumbo LCD display with 0.84 in. (21.5mm) digit height
- ATC
- Data hold
- RS-232 interface
- CE and RoHS approved
- ♦ Power Source: 1 "9V" battery (not included)

UPC	NO.	
41445 3	**DCM4300**	
41442 2	**CTOP2001**	Conductivity/TDS Probe
41446 0	**CP4300**	Conductivity Probe
41410 0	**LSFT KIT**	PC Interface Kit (optional)

PROFESSIONAL CONDUCTIVITY/TDS METER

Ideal for laboratory use, beverage production or water conditioning applications.

CE RoHS
DCT2001

FEATURES

- Includes CTOP2001 probe
- ATC for conductivity, TDS measurements
- Displays temperature in °F or °C
- Min/Max memory + data hold
- Jumbo LCD
- RS-232 interface
- CE and RoHS approved

SPECIFICATIONS

- ♦ Measurement Range: 0 to 20 mS for conductivity; 0 to 13,200 ppm for TDS; 32° to 140°F (-0° to 60°C) for temperature
- ♦ Measurement Accuracy: ±3% of full-scale reading + 1 digit for conductivity and TDS; ±1.5°F (±0.8°C)
- ♦ Temperature Compensation Factor: Adjustable from 0 to 5% per °C
- ♦ Operating Temperature: 32° to 122°F (0° to 50°C) for meter, 32° to 140°F (0° to 60°C) for probe
- ♦ Dimensions: 7.6 x 2.6 x 1.2 in. (195 x 68 x 30mm)
- ♦ Weight: 8.8 oz. (250g)
- ♦ Power Source: 1 "9V" battery (not included)

UPC	NO.	
41440 8	**DCT2001**	
41410 0	**LSFT KIT**	PC Interface Kit (optional)
41442 2	**CTOP2001**	Conductivity/TDS Replacement Probe

ALWAYS WEAR OSHA APPROVED SAFETY GOGGLES

CONDUCTIVITY/TDS REPLACEMENT PROBE FOR DCT2001, DCM22CT, DCM4300

CE RoHS
CTOP2001

FEATURES
- Automatic or manually adjustable temperature compensation
- CE and RoHS approved

SPECIFICATIONS
- ♦ Conductivity Measurement Range: 0 to 20 mS (MilliSiemens) over two scales
- ♦ TDS Measurement Range: 0 to 20000ppm over two ranges
- ♦ Operating Temperature: 32° to 122°F (0° to 50°C)

UPC	NO.
41442 2	**CTOP2001**

pH, ORP METER WITH EXCEL-FORMATTED DATA LOGGING SD CARD

Accurately measures pH and ORP (Oxidation-Reduction Potential).

FEATURES
- Measures pH and ORP using optional electrodes
- Choose an electrode or probe with the right characteristics for your application from the list at lower right
- Optional ATC probe (#TP07) automatically calibrates pH electrode to pH 4, pH 7 and pH 10
- Displays maximum and minimum readings
- Performs real-time automatic data logging at sampling time settable from 1 second to 9 hours
- Also supports manual logging and changing of card storage location
- Big (2.5 in. diagonal) front-panel green backlit LCD is easy to read
- Auto power off function

SPECIFICATIONS
- ♦ Display: 2.05 x 1.5 in. (52 x 38mm) LCD
- ♦ Parameters Measured: pH, ORP
- ♦ Measurement Range:
  - For pH: 0 to 14
  - For ORP: -1999 mV to +1999 mV
- ♦ Measurement Accuracy:
  - For pH: ± (0.02 pH units + 2 digits)
  - For ORP: ± (0.5% of reading + 2 digits)
- ♦ Temperature Compensation:
  - Automatic between 32° and 150°F (0° and 65°C) when using optional ATC temperature probe.
  - Manually settable between 32° and 212°F (0° and 100°C) without ATC probe
- ♦ Storable/Recallable Readings: Maximum, minimum
- ♦ Data Logging Sampling Time: 1 second to 9 hours
- ♦ Settable Parameters: Date, time, auto power off, beep sound, sampling time, decimal point or comma decimal division, temperature unit, compensation temperature
- ♦ Operating Temperature: 32° to 122°F (0° to 50°C)
- ♦ Operating Relative Humidity: 0 to 85%
- ♦ Dimensions: 6.97 x 2.68 x 1.77 in. (177 x 68 x 45mm)
- ♦ Weight: 1.08 lb. (489g)
- ♦ Power Source: 6 “AA” batteries or optional 9-VDC AC adapter

UPC	NO.
01451 6	**DPH230SD**

Optional Accessories:

01506 3	**AC1**	9VDC adapter for 110V power supply
01492 9	**ORP14**	ORP probe
41441 5	**TP07**	Automatic temperature compensation (ATC) probe
01493 6	**PHS1**	Professional-grade 0 to 14 pH electrode
01540 7	**PHS4HD7**	Heavy-duty spear tip pH electrode
01539 1	**PHS6HD**	Heavy-duty spear tip pH electrode
01541 4	**PHS5T**	Combination pH electrode/temperature probe
01542 1	**PHS3K7**	Combination pH electrode/temperature probe with automatic temperature compensation
01502 5	**SDRD1**	SD Card Reader

DPH230SD
Patented

Included Accessories:
- Carrying case
- 2 GB SD memory card
- User’s manual

pH METER

For lab work or for measuring acidity of pools, aquariums or water-treatment systems.

FEATURES
- Accepts any optional pH electrode with BNC connector
- pH electrodes calibratable at pH 4, 7 or 10 using optional buffer solution
- Min/Max memory + data hold
- Manual temperature compensation via front panel
- RS-232 computer interface
- CE and RoHS approved

SPECIFICATIONS
- ♦ Measurement Range: 0 to 14 pH units
- ♦ Measurement Accuracy: ± (0.02 pH units + 2 digits)
- ♦ Sampling Time: 0.8 seconds
- ♦ Dimensions: 7.7 x 2.7 x 1.2 in. (195 x 68 x 30mm)
- ♦ Power Source: 1 “9V” battery

UPC	NO.
41430 9	**DPH208R**
41410 0	**LSFT KIT** PC Interface Kit (optional)

CE RoHS
DPH208R

DO, Multi-Parameter

DOM551SD
Patented

Included Accessories:
- Hard carrying case
- Oxygen probe
- Probe-filling electrolyte
- Two spare probe heads and diaphragm set
- 2 GB SD memory card
- User's manual

WK2017SD
Patented

Included Accessories:
- Hard carrying case
- Combination conductivity/ TDS/salt probe (P/N CDPB03)
- 2 GB SD memory card
- User's manual

Optional Accessories:

01506 3	**AC1**	9VDC adapter for 110V power supply
01492 9	**ORP14**	ORP probe
54144 1	**TP07**	Automatic temperature compensation (ATC) probe
41439 2	**DOP2001**	Oxygen probe
01493 6	**PHS1**	Professional-grade 0 to 14 pH electrode
01540 7	**PHS4HD7**	Heavy-duty spear tip pH electrode
01539 1	**PHS6HD**	Heavy-duty spear tip pH electrode
01541 4	**PHS5T**	Combination pH electrode/temperature probe
01542 1	**PHS3K7**	Combination pH electrode/temperature probe with automatic temperature compensation
01502 5	**SDRD1**	SD Card Reader

DISSOLVED OXYGEN METER WITH EXCEL-FORMATTED DATA LOGGING SD CARD

Accurately measures dissolved oxygen concentration of liquid or air.

FEATURES

- Uses heavy-duty Polarographic oxygen probe
- Precisely measures DO from 0 to 20 mg/L, as well as liquid temperature
- Easy to calibrate
- Supports automatic and manual data logging
- Time-stamps and stores measurements on SD memory cards
- Sampling time settable from 1 second to 9 hours
- Automatically compensates for altitude and salt content of liquids
- 1.5 x 2.0 in. backlit liquid crystal display

SPECIFICATIONS

- ♦ Display Size: 2.0 x 1.5 in. (52 x 38mm)
- ♦ DO Measurement Range: 0 to 20 mg/L
- ♦ DO Measurement Accuracy: ± 0.4 mg/L
- ♦ Oxygen in Air Measurement Range: 0 to 100%
- ♦ Oxygen in Air Measurement Accuracy: ±0.7% O_2
- ♦ Temperature Measurement Range: 32° to 122°F (0° to 50°C)
- ♦ Temperature Measurement Accuracy: ±1.5°F (±0.8°C)
- ♦ Compensation For Temperature: Automatic
- ♦ Compensation For Altitude: 0 to 29,200 ft. (0 to 8,900m)
- ♦ Compensation For Liquid Salt Content: 0 to 50%
- ♦ Data Logging Sampling Time: 1 second to 9 hours
- ♦ DO Probe Type: Polarographic
- ♦ Operating Temperature: 32° to 122°F (0° to 50°C)
- ♦ Operating Relative Humidity: 0 to 85%
- ♦ Dimensions of Meter: 7.0 x 2.7 x 1.9 in. (177 x 68 x 45mm)
- ♦ Weight of Meter: 1.08 lb. (489g)
- ♦ Dimensions of Probe: 7.5 (long) x 1.1 (across) inches (190 x 28mm)
- ♦ Weight of Probe: 0.74 lb. (335g)
- ♦ Power Source: 6 "AA" batteries or 9-VDC adapter

UPC	NO.
01457 8	**DOM551SD**

Optional Accessories:

01506 3	**AC1**	9VDC adapter for 110V power supply
01502 5	**SDRD1**	SD Card Reader

pH, ORP, DO, CD, TDS, SALT METER WITH EXCEL-FORMATTED DATA LOGGING SD CARD

Accurately measures conductivity, Total Dissolved Solids (TDS) or salt concentration of a liquid. Optional probes measure pH, ORP (Oxidation-Reduction Potential) and Dissolved Oxygen (DO).

FEATURES

- Measures pH, ORP and conductivity, and TDS, salt and DO content using included and optional electrodes and probes
- Choose an electrode or probe with the right characteristics for your application from the list at lower left
- DO measurements can be compensated for salt, altitude and temperature
- Also measures oxygen content of a volume of air
- Optional ATC probe automatically temperature-compensates pH electrode
- Displays maximum and minimum readings
- Performs real-time automatic datalogging at sampling time settable from 1 sec. to 9 hrs.
- Also supports manual logging and changing of card storage location
- Big (2.5 in. diagonal) front-panel green backlit LCD is easy to read
- Auto power off function

SPECIFICATIONS

- ♦ Display Size: 2.05 x 1.5 in. (52 x 38mm)
- ♦ Parameters Measured: pH, ORP, conductivity, TDS content,DO content, salt content
- ♦ Measurement Range:
  - For pH: 0 to 14
  - For ORP: -1999 mV to +1999 mV
  - For conductivity: up to 200 mS (microSiemens)
  - For TDS: up to 132,000 ppm
  - For DO: up to 20 mg/L
  - For salt: up to 12% by weight
- ♦ Measurement Accuracy:
  - For pH: ± (0.02 pH units + 2 digits)
  - For ORP: ± (0.5% of reading + 2 digits)
  - For conductivity: ± 2% of full-scale reading + 1 digit
  - For TDS: ± 2% of full-scale reading + 1 digit
  - For temperature: ± 0.8°C/± 1.5°F
  - For DO: ± 0.4 mg/L in solution
  - For oxygen: 0.1% for oxygen in air
  - For salt: ±0.5% of value
- ♦ Temperature Compensation:
  - Automatic between 32° and 150°F (0° and 65°C) when using optional ATC temperature probe
  - Manually settable between 32° and 212°F (0° and 100°C) without ATC probe
- ♦ Settable Parameters: Date, time, auto power off, beep sound, sampling time, decimal point or comma decimal division, temperature unit, compensation temperature. Also salt and altitude compensation (DO mode only)
- ♦ Operating Temperature: 32° to 122°F (0° to 50°C)
- ♦ Operating Relative Humidity: 0 to 85%
- ♦ Dimensions: 6.97 x 2.68 x 1.77 in. (177 x 68 x 45mm)
- ♦ Weight: 1.08 lb. (489g)
- ♦ Power Supply: 6 "AA" batteries or optional 9-VDC AC adapter

UPC	NO.
01458 5	**WK2017SD**

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FIELD CALIBRATABLE 45 DEGREE READ pH INSTRUMENT

Ideal for food preparation and solution balancing applications.

FEATURES

- Easy-to-read 45° angle
- Automatic calibration at the touch of a button
- Simultaneously displays pH and temp
- °F/°C temperature display
- Replaceable head
- Data hold
- Durable waterproof housing
- Auto power off; low battery indicator
- CE and RoHS approved

SPECIFICATIONS

- Measurement Range: 0 to 14 pH units
- Measurement Accuracy: ±0.05 pH units
- Measurement Resolution: 0.01 pH units
- Dimensions: 5.85 x 1.65 x 1.45 in. (149 x 42 x 37mm)
- Weight: 2.4 oz. (68g)
- Power Source: 2 “CR2023” batteries (included)

Includes: • Soft carrying case
• Batteries

UPC	NO.
41330 2	**DPH8690**
41335 7	**8690P** Replacement Head

CE RoHS

DPH8690

WATER PURITY METER

Measures conductivity to check the effectiveness of water filtering. Suitable for quality control applications in food processing, industrial, photography or lab applications.

FEATURES

- Easy to operate
- Heavy-duty construction
- Automatic temperature compensation
- Min/Max memory + data hold
- Water-resistant to IP65 standard
- Auto power off and auto zero adjustment
- CE and RoHS approved

SPECIFICATIONS

- Measurement Range: 0 to 1999 uS (MicroSiemens)
- Measurement Accuracy: ±3% of full-scale value + 1 digits
- Sampling Period: 0.8 seconds
- Auto Power Off: After 10 minutes of inactivity
- Operating Temperature: 32° to 140°F (0° to 60°C)
- Dimensions: 7.5 x 1.6 x 1.6 in. (190 x 40 x 40mm)
- Weight: 6.08 oz. (171g)
- Power Source: 4 “AAA” batteries (not included)

UPC	NO.
01243 7	**PWM301**

CE RoHS

PWM301

ANALOG SPA AND POOL pH/CHLORINE TESTER

FEATURES

- Includes fine sandpaper for cleaning probes
- No adjustment is required for pH

SPECIFICATIONS

- Dimensions: 7.1 x 4.5 x 1.3 in. (180 x 115 x 32mm)
- Weight: 6 oz. (170g)
- Power Source: 1 “AA” battery (not included)

UPC	NO.
12101 4	**CPH12101**

CPH12101

DIGITAL pH METER

Ideal for food preparation and solution-balancing applications.

DPH7011

FEATURES

- Also measures ORP
- Automatic temperature compensation
- IP-57 waterproof (unit floats)
- Pocket-sized
- Lightweight
- Min/Max memory + data hold
- CE and RoHS approved

SPECIFICATIONS

♦ Measurement Ranges: 0 to 14 for pH; -1000 to 1000mV for ORP
♦ Operating Temperature: 32° to 194°F (0° to 90°C)
♦ Dimensions: 7.7 x 1.6 x 1.4 in. (195 x 40 x 36mm)
♦ Weight: 4.8 oz. (135g)
♦ Power Source: 4 "AAA" batteries (included)

Includes: • Soaking Solution • Buffer Solutions pH 4 & 7 • Hard case • Batteries

UPC	NO.
01235 2	**DPH7011**

DIGITAL CONDUCTIVITY METER

Ideal for field measurements.

DCM7021

FEATURES

- Measures conductivity, TDS, salinity, temperature
- Automatic temperature compensation
- IP-57 waterproof (unit floats)
- One-button calibration
- Pocket-sized
- Lightweight
- Min/Max memory + data hold
- CE and RoHS approved

SPECIFICATIONS

♦ Measurement Ranges: 0 to 2000 uS (MicroSiemens) for conductivity; 0 to 1300 ppm for TDS; 0 to 1000 ppm for salinity; 32° to 194°F (0° to 90°C) for temperature
♦ Measurement Accuracy: ±2% of full-scale value for conductivity, TDS, salinity; ±0.4°F (0.2°C) + 1 digit for temperature
♦ Operating Temperature: 32° to 194°F (0° to 90°C)
♦ Dimensions: 7.7 x 1.6 x 1.4 in. (195 x 40 x 36mm)
♦ Weight: 4.8 oz. (135g)
♦ Power Source: 4 "AAA" batteries (included)

Includes: • Standard Solution 1413 µS/cm • Hard case • Batteries

UPC	NO.
01254 3	**DCM7021**

COMPLETE WATERPROOF SELF CALIBRATING MICRO PROCESSOR KIT: PH, MV, TEMP, COND, TDS, SALT

For water treatment plants, industrial pollution control, lab and field use.

WK7200

Includes:
- Standard Solution 1413 µS/cm
- Soaking Solution
- Buffer Solutions pH 4 & 7
- pH and conductivity probes
- Hard case • Batteries
- Use's Manual

FEATURES

- Measures pH, ORP, conductivity, TDS, salinity, temperature
- Automatic temperature compensation
- IP-57 waterproof (unit floats)
- Pocket sized
- Lightweight
- Min/Max memory + data hold
- CE and RoHS approved

SPECIFICATIONS

♦ Measurement Ranges: 0 to 14 for pH; -1000 to 1000mV for ORP; 0 to 2000 uS (MicroSiemens) for conductivity; 0 to 1300 ppm for TDS; 0 to 1000 ppm for salinity; 32° to 194°F (0° to 90°C) for temperature
♦ Measurement Accuracy: ±0.01 pH units + 1 digit for pH; ±0.01 uS + 1 digit for conductivity; ±2 ppm + 1 digit for TDS; ±2% of full-scale value for salinity; ±0.4°F (0.2°C) + 1 digit for temperature
♦ Operating Temperature: 32° to 194°F (0° to 90°C)
♦ Dimensions: 7.7 x 1.6 x 1.4 in. (195 x 40 x 36mm)
♦ Weight: 4.8 oz. (135g) Kit: 27.5 oz. (780g)
♦ Power Source: 6 "AAA" batteries (included)

Optional: ORP probe

UPC	NO.
01248 2	**WK7200**
01377 9	**ORP7200** Optional ORP Probe

POCKET pH METER

Ideal for cooling towers.

PH501

FEATURES

- Digital display
- Pocket sized
- Automatic temperature compensation
- Lightweight
- CE and RoHS approved

SPECIFICATIONS

♦ Measurement Range: 0 to 14 pH units
♦ Measurement Accuracy: ±0.2 pH units
♦ Measurement Resolution: 0.1 pH units
♦ Operating Temperature: 32° to 122°F (0° to 50°C)
♦ Dimensions: 6.2 x 1.5 x 1.3 in. (157 x 38 x 33mm)
♦ Weight: 4 oz. (113g)
♦ Power Source: 1 "9V" battery (included)

Includes: • Hard carrying case • Calibration solution • Calibration screwdriver • Battery

UPC	NO.
41350 0	**PH501**

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CONDUCTIVITY METER

Ideal for field measurements.

FEATURES
- Digital display
- Automatic temperature compensation
- Pocket-sized
- Lightweight
- CE and RoHS approved

SPECIFICATIONS
- ♦ Measurement Range: 10 to 9990 uS
- ♦ Dimensions: 6.2 x 1.5 x 1.3 in. (157 x 38 x 33mm)
- ♦ Weight: 4 oz. (113g)
- ♦ Power Source: 1 "9V" battery (included)

Includes:
- Hard carrying case
- Calibration solution
- Calibration screwdriver
- Battery

UPC	NO.
41400 2	**CO502**

CE RoHS
CO502

POCKET EC METER

Ideal for measuring the effectiveness of water treatment or pollution control systems.

FEATURES
- Digital display
- Pocket-sized
- Automatic temperature compensation
- Lightweight
- CE and RoHS approved

SPECIFICATIONS
- ♦ Measurement Range: 0 to 20 EC (electrical conductivity) units (uS)
- ♦ Dimensions: 6.2 x 1.5 x 1.3 in. (157 x 38 x 33mm)
- ♦ Weight: 4 oz. (113g)
- ♦ Power Source: 1 "9V" battery (included)

Includes:
- Hard carrying case
- Calibration solution
- Calibration screwdriver
- Battery

UPC	NO.
41415 6	**EC506**

CE RoHS
EC506

POCKET TDS METER

Ideal for use in water treatment plants and industrial pollution control.

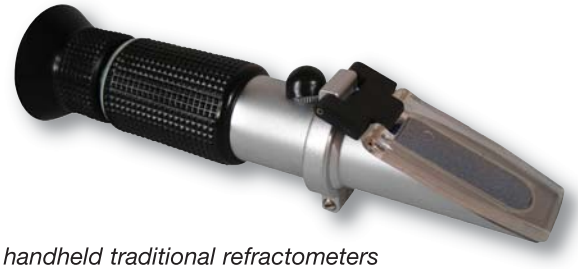
FEATURES
- Digital display
- Pocket-sized
- Automatic temperature compensation
- Lightweight
- CE and RoHS approved

SPECIFICATIONS
- ♦ Electrode extends to 3.15 in.
- ♦ Range: 10 to 9990 ppm
- ♦ Dimensions: 6.2 x 1.5 x 1.3 in. (157 x 38 x 33mm)
- ♦ Weight: 4 oz. (113g)
- ♦ Power Source: 1 "9V" battery (included)

Includes:
- Hard carrying case
- Calibration solution
- Calibration screwdriver
- Battery

UPC	NO.
41410 1	**TDS503**

CE RoHS
TDS503



All of our handheld traditional refractometers have a metal body with a cushioned eyepiece, a rubber hand grip, and a calibration screen. Included with each is a calibration screwdriver, a plastic pipette and a carrying case.

A refractometer measures a substance's index of refraction, which is determined by its composition.

In practice, traditional and digital refractometers are used to measure:

a. The concentration of sugar or other soluble solids in juices, syrups or similar solutions
b. The salinity or specific gravity of watery solutions
c. The viscosity of refrigerant oils, glycols, brake fluids, and polymers

Many refractometers use the unit Brix, which can be expressed as a percentage or in degrees. Others use relative units such as the SG (for specific gravity) or the RI (for refractive index)

	ATC	INDUSTRIAL FLUIDS	LOW CONCENTRATION JUICES	FRUIT JUICE	HIGH CONCENTRATION JUICES	LOW DENSITY SOLUTIONS	SOFT DRINKS	CANNED GOODS	LOW SUGAR SOLUTIONS	HIGH SUGAR SOLUTIONS	CONDENSED MILK	SIZE 6.2 in. (L) x 1.8 in. (Dia.) - 7 OZ.	SIZE 7.5 in. (L) x 1.3 in. (Dia.) - 22 OZ.	RESOLUTION
MODEL **REF101** (UPC 44420 9) BRIX 0-10%		X	X									X		0.10%
MODEL **REF102** (UPC 44102 2) BRIX 0-20%		X				X						X		0.20%
MODEL **REF103** (UPC 44103 9) HIGH RANGE BRIX 0-32%		X		X			X					X		0.20%
MODEL **REF104** (UPC 44104 6) BRIX 28-62%		X			X			X		X		X		0.20%
MODEL **REF105** (UPC 44105 3) BRIX 45-82%		X			X					X	X	X		0.50%
MODEL **REF106** (UPC 44106 0) BRIX 58-92%		X	X	X	X	X	X	X		X	X		X	0.20%
MODEL **REF111ATC** (UPC 44101 5) LOW RANGE BRIX 0-10%	X	X	X									X		0.10%
MODEL **REF112ATC** (UPC 44112 1) BRIX 0-20% W/ ATC	X		X						X			X		0.20%
MODEL **REF113ATC** (UPC 44113 8) HIGH RANGE BRIX 0-32%	X	X		X			X					X		0.20%
MODEL **REF114ATC** (UPC 44114 5) BRIX 28-62%	X	X			X			X		X		X		0.20%
MODEL **REF107** (UPC 04410 7) BRIX 0-90%		X	X	X	X	X	X	X	X	X		X		

	ATC	OILS, HUGH MV POLYMERS	SEAWATER, BRINE	SALINITY	SIZE 6.2 in. (L) x 1.8 in. (Dia.) - 7 OZ.	SIZE 7.5 in. (L) x 1.3 in. (Dia.) - 22 OZ.	RESOLUTION
MODEL **REF201** (UPC 44116 9) SALINITY 0-100%		X		X	X		0.10%
MODEL **REF202** (UPC 44115 2) SALINITY 0-28%		X		X	X		0.20%
MODEL **REF211ATC** (UPC 44120 6) SALINITY 0-10%, & SPECIFIC GRAVITY 1.0 - 1.070	X		X	X	X		0.10%, 0.001SG

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	ATC	INDUSTRIAL FLUIDS	OILS, HUGH MV PPOLYMERS	PROTEIN, URINE	BLOOD SERUM, PLASMA, ALBUMEN	ETHYLENE & PROPYLENE GLYCOL	BRAKE FLUID	SIZE 6.2 in. (L) x 1.8 in. (Dia.) - 7 OZ.	SIZE 7.5 in. (L) x 1.3 in. (Dia.) - 22 OZ.	RESOLUTION
MODEL **REF304** (UPC 44314 9) PROTEIN & URINE 0-12g/dl				X				X		0.2g/gl, 0.005ug, 0.0005ND
MODEL **REF312ATC** (UPC 44312 5) PROTEIN & URINE, 1.000-1.050sg, 1.3330-1.3600RI Protein in Serum	X			X	X			X		0-12g/dl 0.002sg, 0.00025 RI
MODEL **REF401** (UPC 44401 6) GYCOL & BRAKE FLUID -60 to 32°F, 1.15 to 1.3 S/G						X	X	X		10°F, 0.01 S/G
MODEL **REF402** (UPC 44410 8) GYCOL & BRAKE FLUID -50 to 0°C, 1.15 to 1.3 S/G						X		X		5°C, 0.01 S/G
MODEL **REF500C0T** (UPC 44413 9) Oil, Water & Fluid 1.333 - 1.3840 RI		X								0.2%

DIGITAL WIDE RANGE BRIX REFRACTOMETER

FEATURES

- High accuracy
- Uses distilled water as calibration reference
- Also measures, displays and automatically compensates for temperature
- °F or °C temperature display unit
- Auto power off
- Low voltage alert

SPECIFICATIONS

- ♦ Measurement Ranges/Accuracies: 0 to 35% Brix/±0.2%; 0 to 28% salinity/±0.2%; 1.3330 to 1.3900 refractive index/±0.0003
- ♦ Temperature Measurement Range: 32° to 104°F (0° to 40°C)
- ♦ Temperature Measurement Accuracy: ±2°F (1°C)
- ♦ Auto Power Off: After 3 minutes of inactivity
- ♦ Operating Temperature Range: 32° to 90°F (0° to 35°C)
- ♦ Dimensions: 7.28 x 2.32 x 1.77 in. (185 x 59 x 45mm)
- ♦ Weight: 8.11 oz. (230g)
- ♦ Power Source: 1 "9V" battery (included)

Includes: • Carrying case • Battery • Operating instructions

UPC	NO.
44425 2	**DREF45-121**

DREF45-121

DIGITAL WIDE RANGE PROTEIN/URINE REFRACTOMETER

FEATURES

- High accuracy
- Uses distilled water as calibration reference
- Also measures, displays and automatically compensates for temperatures
- °F or °C temperature display unit
- Auto power off
- Low voltage alert

SPECIFICATIONS

- ♦ Measurement Ranges/Accuracies: 1 to 1.050 Urine SG/±0.002%; 0 to 12 g/dl serum protein/±0.2%; 1.3330 to 1.3900 refractive index/±0.0003
- ♦ Temperature Measurement Range: 32° to 104°F (0° to 40°C)
- ♦ Temperature Measurement Accuracy: ±2°F (1°C)
- ♦ Auto Power Off: After 3 minutes of inactivity
- ♦ Operating Temperature Range: 32° to 90°F (0° to 35°C)
- ♦ Dimensions: 7.28 x 2.32 x 1.77 in. (185 x 59 x 45mm)
- ♦ Weight: 8.11 oz. (230g)
- ♦ Power Source: 1 "9V" battery (included)

Includes • Carrying case • Battery • Operating instructions

UPC	NO.
44402 7	**DREF/UP320**

DREF/UP320

GENERAL®

"Man is a tool using animal. Weak in himself and of small stature, he stands on a basis of some half-square-foot, and has to straddle out his legs lest the very winds supplant him. Nevertheless, he can use tools, can devise tools; with these the granite mountains melt into light dust before him; seas are his smooth highways, winds and fire his unwearying steeds, Nowhere do you find him without tools. Without tools he is nothing, but with tools he is all."

Thomas Carlyle (1795–1881)

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